



In re Application of: Forster, et al.

Serial No.: 10/637,098 Filed: 08/08/2003 Group: 2821

For: WAVE ANTENNA WIRELESS COMMUNICATION DEVICE AND METHOD

(Continuation of U.S. Patent Application Serial No. 10/228,180)

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

In keeping with the duty of candor and good faith owed to the Patent and Trademark Office, the applicant wishes to make of record that no further search has been made with respect to this invention since the filing of the Information Disclosure Statement in the parent case, U.S. Patent Application Serial No. 10/228,180.

Please note that Credit Card Payment authorization in the amount of \$180.00 to cover the cost of filing this Information Disclosure Statement was provided via Epave, along with U.S. Patent Documents and Published Applications references, on June 14, 2004. A copy of this submission is attached hereto.

The Commissioner is hereby authorized to charge any fees that may be required, or credit any overpayment, to Deposit Account No. 50-1732.

Respectfully submitted,

WITHROW & TERRANOVA, P.L.L.C.

By:

Steven N. Terranova Reg. No. 43185

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File No.: <u>4579-154D</u>

June 14, 2004 .: 4579-154D

Date: Ju



FEE TRANSMITTAL

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> Title of Invention

WAVE ANTENNA WIRELESS COMMUNICATION DEVICE

Application Number:

10/637098

10/637098

Date:

2003-08-08

First Named Applicant: IAN JAMES FORSTER

Attorney Docket Number: 4579-154E

Art Unit:

2821

Examiner:

THO G PHAN

TOTAL FEE AUTHORIZED \$180

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> Title of Invention

WAVE ANTENNA WIRELESS COMMUNICATION DEVICE

Application Number:

10/637098

10/637098

Confirmation Number:

5015

First Named Applicant:

IAN FORSTER

Attorney Docket Number: 4579-154E

Art Unit:

2821

Examiner:

THO G PHAN

Search string:

(5181975 or 5218861 or 5319354 or 5479171 or 5554242 or 5731754 or 5833603 or 5959524 or 5961215 or 5972156 or 6016127 or 6130602 or 6140974 or 6208244 or 6257289 or 6272936 or 6299349 or 6388567 or 6463798 or 6474380 or 6630910 or 5347280 or 20020066506 or 20020075145 or

20020088517 or 20020093422 or 20020116992 or 20020126005

or 20020140574 or 20020190852 or 20020190853 or

20030005760).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

| init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass |
|------|----------|------------|------------|----------------|------|-------|----------|
| | 1 | 5181975 | 1993-01-26 | POLLACK ET AL | | 152 | 152.1 |
| | 2 | 5218861 | 1993-06-15 | BROWN ET AL | | 73 | 146.5 |
| | 3 | 5319354 | 1994-06-07 | MYATT | | 340 | 572 |
| | 4 | 5479171 | 1995-12-26 | SCHUERMANN | | 342 | 44 |
| | 5 | 5554242 | 1996-09-10 | BROWN ET AL. | | 156 | 111 |
| | 6 | 5731754 | 1998-03-24 | LEE JR. ET AL. | | 340 | 447 |
| | 7 | 5833603 | 1998-11-10 | KOVACS ET AL. | | 600 | 317 |
| | 8 | 5959524 | 1999-09-28 | WIENAND ET AL. | | 338 | 28 |
| | 9 | 5961215 | 1999-10-05 | LEE ET AL. | | 374 | 178 |
| | 10 | 5972156 | 1999-10-26 | BRADY ET AL. | | 156 | 280 |
| | 11 | 6016127 | 2000-01-18 | CASIOLA ET AL | | 343 | 731 |

| | 11 | ! |
|-------------|---|--|
| 6130602 | 2000-10-10 | OTOOLE ET AL |
| 6140974 | 2000-10-31 | DALLEY |
| 6208244 | 2001-03-27 | WILSON ET AL. |
| 6257289 | 2001-07-10 | TOMITA ET AL |
| 6272936 | 2001-08-14 | OREPER ET AL |
| 6299349 | 2001-10-09 | STEINEL ET AL |
| 6388567 | 2002-05-14 | BOHM ET AL |
| 6463798 | 2002-10-15 | NEIKERK ET AL |
| 6474380 | 2002-11-05 | RENSEL ET AL |
| 6630910 | 2003-10-07 | FORSTER ET AL |
| 5347280 | 1994-09-13 | SCHUERMANN |
| = = = = = = | 6140974 6208244 6257289 6272936 6299349 6388567 6463798 6474380 6630910 | 6140974 2000-10-31 6208244 2001-03-27 6257289 2001-07-10 6272936 2001-08-14 6299349 2001-10-09 6388567 2002-05-14 6463798 2002-10-15 6474380 2002-11-05 6630910 2003-10-07 |

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|-----|---------|
| 340 | 10.33 |
| 343 | 806 |
| 340 | 447 |
| 152 | 152.1 |
| 73 | 862.621 |
| 374 | 143 |
| 340 | 442 |
| 73 | 146.2 |
| 152 | 152.1 |
| 343 | 806 |
| 342 | 42 |

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

| init | Cite.No. | Pub. No. | Date | Applicant | Kind | Class | Subclass |
|------|----------|-------------|------------|---------------|------|-------|----------|
| | 1 | 20020066506 | 2002-06-06 | WILSON | | 152 | 152 |
| · | 2 | 20020075145 | 2002-06-20 | HARDMAN ET AL | | 340 | 442 |
| | 3 | 20020088517 | 2002-07-11 | SHIMURA | | 152 | 152.1 |
| | 4 | 20020093422 | 2002-07-18 | SHIMURA | | 340 | 447 |
| | 5 | 20020116992 | 2002-08-29 | RICKEL | | 73 | 146 |
| | 6 | 20020126005 | 2002-09-12 | HARDMAN ET AL | | 340 | 442 |
| | 7 | 20020140574 | 2002-10-03 | STARKEY ET AL | | 340 | 870.16 |
| | 8 | 20020190852 | 2002-12-19 | LIN | | 340 | 445 |
| | 9 | 20020190853 | 2002-12-19 | NIGON ET AL | | 340 | 448 |
| | 10 | 20030005760 | 2003-01-09 | BULST ET AL | | 73 | 146 |

Signature

| Examiner Name | Date |
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UNITED STATES PATENT AND TRADEMARK OFFICE **ACKNOWLEDGEMENT RECEIPT**

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> Title of Invention

WAVE ANTENNA WIRELESS COMMUNICATION DEVICE

Submission Type:

Information Disclosure Statement

Application Number:

10/637098

10/637098

EFS ID:

62543

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First Named Applicant:

IAN FORSTER

Attorney Docket Number: 4579-154E

Timestamp:

2004-06-14 16:15:52 EDT

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File Listing:

| Doc. Name | File Name | Size (Bytes) |
|--------------|-------------------------|--------------|
| us-fee-sheet | 4579-154Eids-usfees.xml | 1444 |
| us-fee-sheet | us-fee-sheet.xsl | 24912 |
| us-fee-sheet | us-fee-sheet.dtd | 11069 |
| us-ids | 4579-154Eids-usidst.xml | 7679 |
| us-ids | us-ids.dtd | 7763 |
| us-ids | us-ids.xsl | 12026 |
| package-data | 4579-154Eids-pkda.xml | 2263 |
| package-data | package-data.dtd | 27025 |
| package-data | us-package-data.xsl | 19263 |
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|-----------------------------|--------------------------|--|---------------|-----------------|----------------|-------------|-------------|---------------------------------------|--|--|--|
| PATENT AND TRADEMARK OFFICE | | | 3 | 4579-154E | | 10/63 | 7,098 | | | | |
| | | | | APPLICANT | | | | | | | |
| | INFORMATION DISCLOSURE | | | | Forster et al. | | | | | | |
| | FILING DATE | | l l | | | | | | | | |
| | STATEMENT BY APPLICANT | | | 08/08/2003 2821 | | | | | | | |
| | | U.S. PATENT | DOCUMENTS | | | | | | | | |
| EXAMINER | DOCUMENT NO. | DATE | NAME | CL. | S | SUBCL. | | NG DATE | | | |
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| | DE 100 30 402 A1 | 2/8/2001 | Germany | | | | | Х | | | |
| | WO 99/67851 | 12/29/1999 | PCT | | | | X | | | | |
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| OTHER DOCUMEN | TS (Incl. Author, Title, | Date, Pertinent pa | ages, etc.) | | | | | | | | |
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